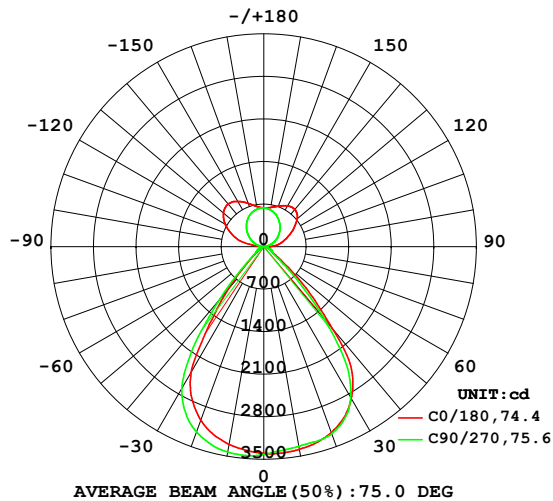


LUMINAIRE PHOTOMETRIC TEST REPORT

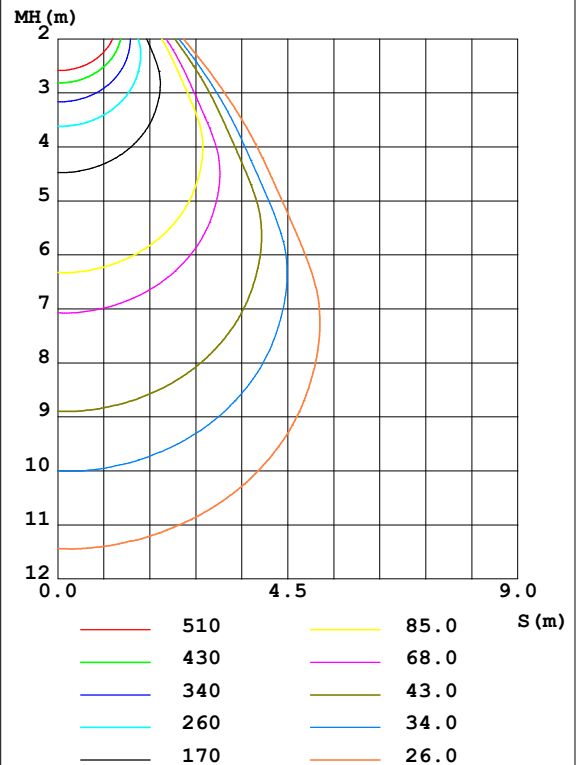
Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.48 lm/W			
MODEL		I _{max} (cd)	3457	S/MH(C0/180)	1.17
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	7954.8	η UP,DN(C0-180)	16.9,34.0
NOMINAL FLUX(lm)	7954.76	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	17.9,31.1
LAMPS INSIDE	1	η up(%)	34.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	65.1	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

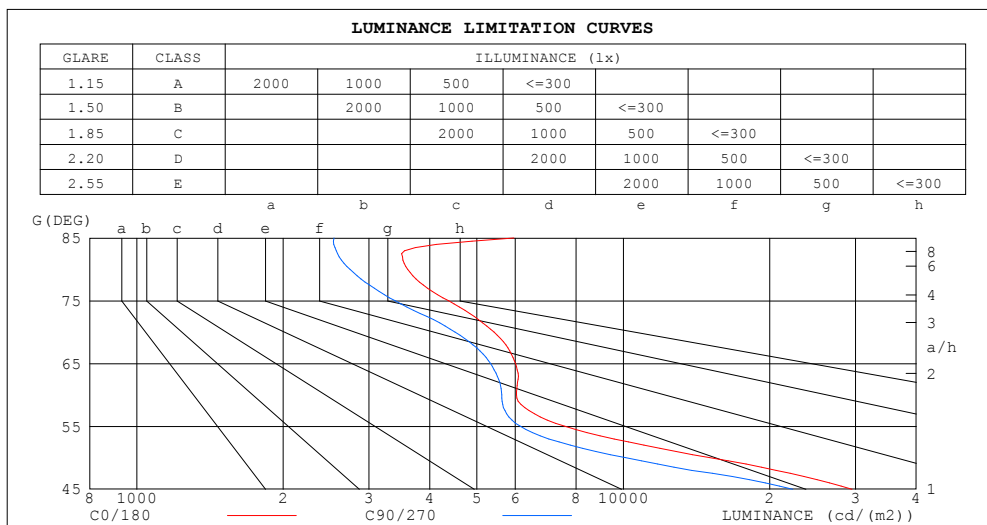
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3388	3350	3336	3312	3304	3382	3432	3438	0- 10	323.6	323.6	4.07,4.07
20	3255	3251	3274	3147	3039	3161	3241	3288	10- 20	933.3	1257	15.8,15.8
30	2882	2956	2862	2768	2393	2604	2698	2865	20- 30	1391	2648	33.3,33.3
40	1760	2227	1549	1851	902.0	1474	1119	1950	30- 40	1396	4044	50.8,50.8
50	483.1	869.2	324.8	507.3	196.5	361.0	220.0	579.0	40- 50	743.1	4787	60.2,60.2
60	150.7	213.1	140.7	151.3	120.2	121.5	128.5	157.0	50- 60	227.3	5014	63,63
70	92.81	89.03	77.12	66.93	49.50	53.07	59.67	72.62	60- 70	105.2	5120	64.4,64.4
80	31.32	31.12	23.81	20.82	13.88	14.70	17.48	23.46	70- 80	44.88	5164	64.9,64.9
90	75.33	31.57	2.042	5.326	3.037	28.99	3.251	82.27	80- 90	17.80	5182	65.1,65.1
100	258.6	181.1	43.16	245.0	249.0	300.2	67.27	222.5	90-100	114.5	5297	66.6,66.6
110	392.7	322.8	133.4	443.0	536.2	464.3	159.0	359.5	100-110	292.1	5589	70.3,70.3
120	558.9	460.4	233.2	591.3	730.7	600.2	255.3	500.0	110-120	418.7	6008	75.5,75.5
130	720.6	551.4	329.3	682.5	868.4	683.8	353.5	609.6	120-130	490.7	6498	81.7,81.7
140	799.2	602.0	420.0	714.6	915.8	707.1	447.4	651.9	130-140	487.5	6986	87.8,87.8
150	776.9	624.3	501.6	704.5	862.6	695.6	529.9	657.9	140-150	416.3	7402	93.1,93.1
160	711.0	632.8	570.4	677.2	760.8	671.4	593.4	650.2	150-160	306.9	7709	96.9,96.9
170	656.8	634.9	618.9	652.2	674.1	649.2	630.5	640.6	160-170	184.5	7894	99.2,99.2
180	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	170-180	61.26	7955	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5962	2544
80	3607	2743
75	4373	3396
70	5427	4510
65	6004	5338
60	6029	5627
55	7581	6140
50	15032	10105
45	29503	22321

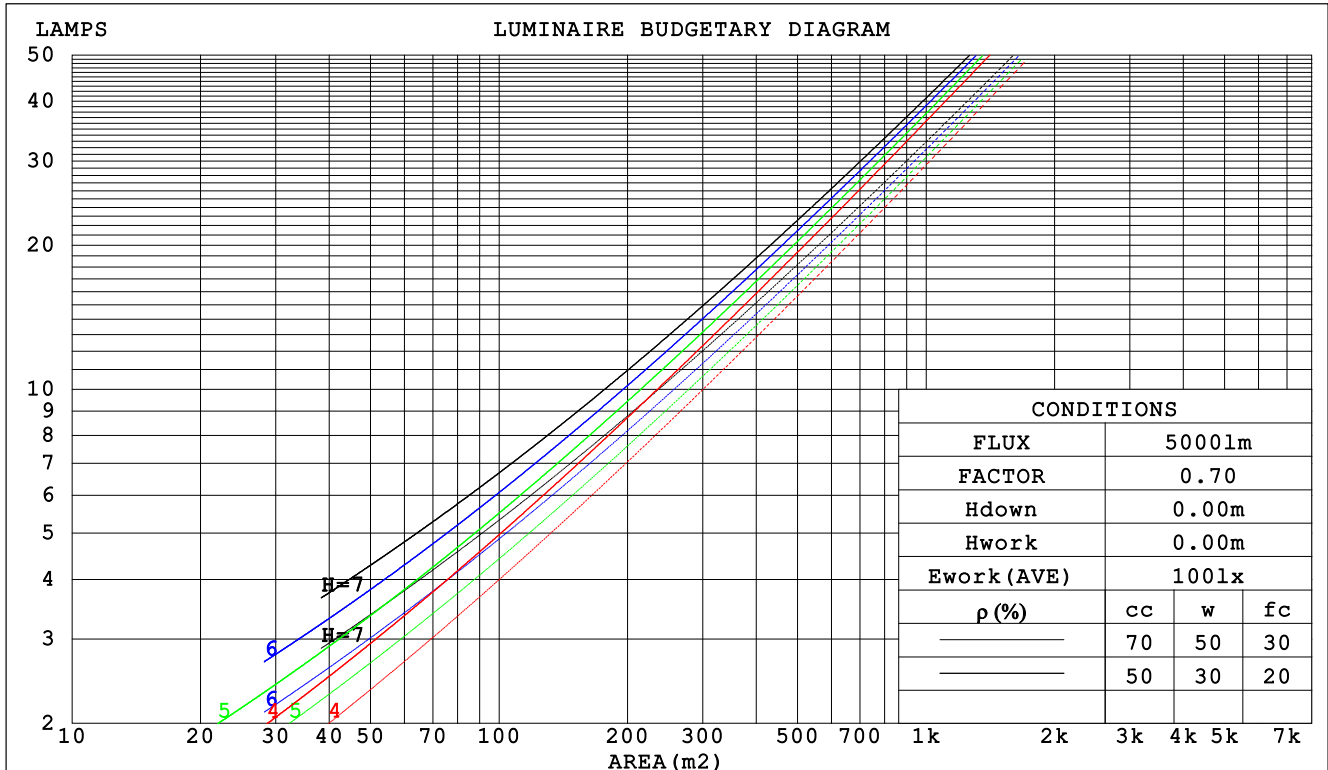
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.11	1.11	1.11	1.04	1.04	1.04	.92	.92	.92	.80	.80	.80	.70	.70	.70	.65
1.0	.00	.97	.94	.94	.92	.89	.84	.82	.80	.74	.73	.71	.65	.64	.63	.59
2.0	.90	.85	.81	.85	.81	.77	.76	.73	.70	.68	.66	.64	.60	.59	.57	.54
3.0	.81	.75	.70	.77	.72	.68	.70	.65	.62	.63	.59	.57	.56	.54	.52	.48
4.0	.74	.67	.62	.70	.64	.60	.64	.59	.55	.58	.54	.51	.52	.49	.47	.44
5.0	.67	.60	.55	.64	.58	.53	.58	.53	.50	.53	.49	.46	.48	.45	.43	.40
6.0	.62	.54	.49	.59	.52	.48	.54	.49	.45	.49	.45	.42	.45	.41	.39	.36
7.0	.57	.49	.44	.54	.48	.43	.50	.44	.41	.45	.41	.38	.41	.38	.36	.33
8.0	.52	.45	.40	.50	.44	.39	.46	.41	.37	.42	.38	.35	.39	.35	.33	.31
9.0	.48	.41	.37	.46	.40	.36	.43	.37	.34	.39	.35	.32	.36	.33	.30	.28
10.0	.45	.38	.34	.43	.37	.33	.40	.35	.31	.37	.32	.29	.34	.30	.28	.26



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm					
NAME: 4FT			TYPE:4000K 3.7		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.12*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.227	.129	.041	.210	.120	.038	.177	.102	.032	.147	.085	.027	.119	.069	.022		
2.0	.215	.118	.036	.199	.110	.034	.170	.094	.029	.143	.080	.025	.118	.067	.021		
3.0	.202	.108	.032	.188	.101	.030	.162	.088	.027	.137	.075	.023	.114	.063	.020		
4.0	.191	.099	.029	.178	.093	.027	.153	.081	.024	.131	.070	.021	.110	.060	.018		
5.0	.180	.092	.027	.168	.086	.025	.146	.076	.022	.125	.066	.020	.106	.056	.017		
6.0	.170	.085	.024	.159	.080	.023	.138	.071	.021	.119	.062	.018	.101	.053	.016		
7.0	.160	.079	.022	.150	.075	.021	.131	.066	.019	.114	.058	.017	.097	.050	.015		
8.0	.152	.074	.021	.143	.070	.020	.125	.062	.018	.109	.055	.016	.093	.048	.014		
9.0	.144	.070	.019	.135	.066	.019	.119	.059	.017	.104	.052	.015	.089	.045	.013		
10.0	.137	.066	.018	.129	.062	.017	.114	.056	.016	.099	.049	.014	.086	.043	.012		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.456	.456	.456	.390	.390	.390	.266	.266	.266	.153	.153	.153	.049	.049	.049	
1.0	.442	.425	.409	.378	.364	.352	.259	.251	.243	.149	.145	.141	.048	.047	.046	
2.0	.432	.402	.377	.370	.346	.326	.253	.239	.227	.146	.139	.133	.047	.045	.043	
3.0	.422	.385	.355	.362	.332	.308	.249	.231	.216	.144	.135	.127	.046	.044	.042	
4.0	.415	.372	.339	.356	.321	.295	.245	.224	.208	.142	.131	.123	.046	.043	.040	
5.0	.408	.362	.328	.350	.313	.285	.241	.219	.201	.140	.128	.119	.045	.042	.039	
6.0	.401	.354	.319	.345	.306	.278	.238	.214	.197	.138	.126	.117	.045	.041	.039	
7.0	.395	.347	.313	.340	.301	.273	.235	.211	.193	.137	.124	.115	.044	.041	.038	
8.0	.390	.342	.308	.336	.296	.269	.232	.208	.191	.135	.123	.114	.044	.040	.038	
9.0	.385	.337	.304	.332	.292	.266	.230	.206	.189	.134	.121	.112	.043	.040	.037	
10.0	.381	.333	.301	.328	.289	.263	.228	.203	.187	.133	.120	.111	.043	.040	.037	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm										
NAME: 4FT					TYPE:4000K 3.7			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.3	21.2	21.0	21.9	22.7	19.5	20.4	20.2	21.1	21.9
3H	20.2	21.0	20.9	21.7	22.5	19.4	20.2	20.1	20.9	21.8
4H	20.1	20.9	20.9	21.6	22.5	19.3	20.1	20.1	20.8	21.7
6H	20.0	20.7	20.8	21.5	22.4	19.2	19.9	20.0	20.7	21.6
8H	20.0	20.6	20.7	21.4	22.3	19.2	19.8	19.9	20.6	21.5
12H	19.9	20.5	20.7	21.3	22.2	19.1	19.7	19.9	20.5	21.4
4H 2H	20.0	20.8	20.8	21.5	22.3	19.3	20.0	20.0	20.8	21.6
3H	19.9	20.6	20.7	21.3	22.3	19.2	19.8	20.0	20.6	21.5
4H	19.9	20.5	20.7	21.2	22.2	19.1	19.7	20.0	20.5	21.5
6H	19.8	20.3	20.6	21.1	22.1	19.1	19.5	19.9	20.4	21.4
8H	19.8	20.2	20.6	21.0	22.1	19.0	19.4	19.8	20.3	21.3
12H	19.7	20.1	20.6	21.0	22.0	18.9	19.3	19.8	20.2	21.2
8H 4H	19.7	20.1	20.5	21.0	22.0	19.0	19.4	19.8	20.2	21.3
6H	19.7	20.0	20.5	20.9	21.9	18.9	19.3	19.8	20.1	21.2
8H	19.6	19.9	20.5	20.8	21.9	18.9	19.2	19.8	20.1	21.1
12H	19.6	19.9	20.5	20.8	21.9	18.8	19.1	19.7	20.0	21.1
12H 4H	19.6	20.0	20.5	20.9	21.9	18.9	19.3	19.8	20.1	21.2
6H	19.6	19.9	20.5	20.8	21.9	18.8	19.2	19.7	20.0	21.1
8H	19.6	19.8	20.5	20.7	21.8	18.8	19.1	19.7	20.0	21.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 4.8					+ 2.3 / - 4.9				
1.5H	+ 2.3 / - 4.5					+ 2.4 / - 5.1				
2.0H	+ 4.6 / - 4.2					+ 4.0 / - 3.6				

CIE Pub.117 Corrected 7955 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

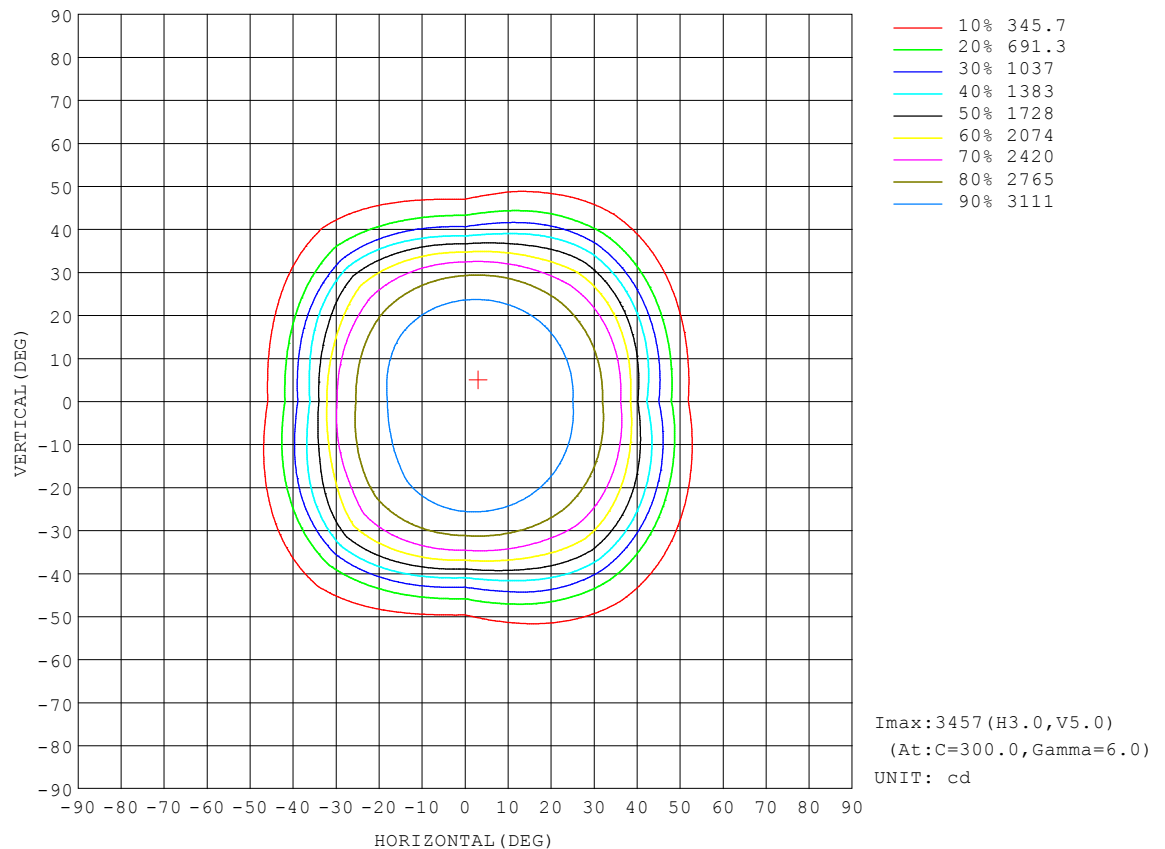
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	52	47	59	51	46	56	49	45	39
0.80	70	61	55	67	59	54	63	57	52	45
1.00	76	67	62	73	66	60	68	63	58	49
1.25	82	74	68	79	71	66	73	67	63	53
1.50	86	78	73	82	75	71	75	70	66	55
2.00	91	84	79	87	81	76	79	75	71	57
2.50	94	88	83	90	84	80	81	77	74	58
3.00	97	91	87	92	87	83	83	79	76	60
4.00	100	95	92	95	91	87	85	82	80	61
5.00	102	98	95	97	93	90	86	84	82	62
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

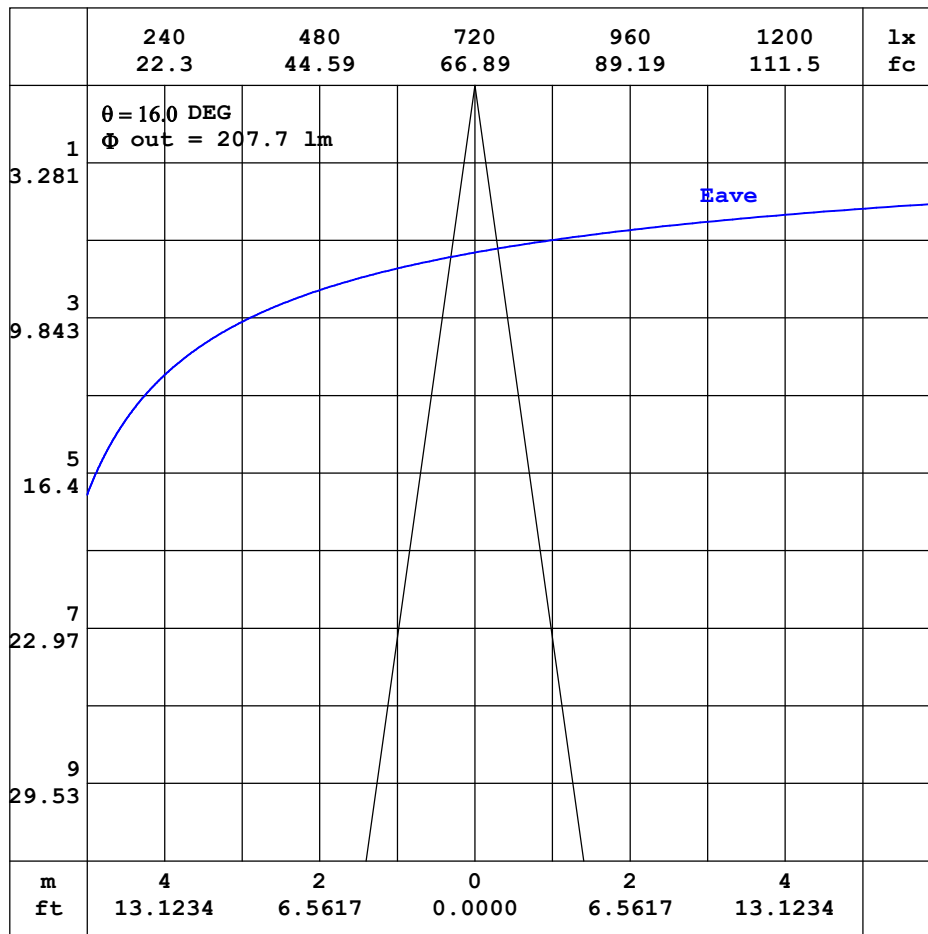


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



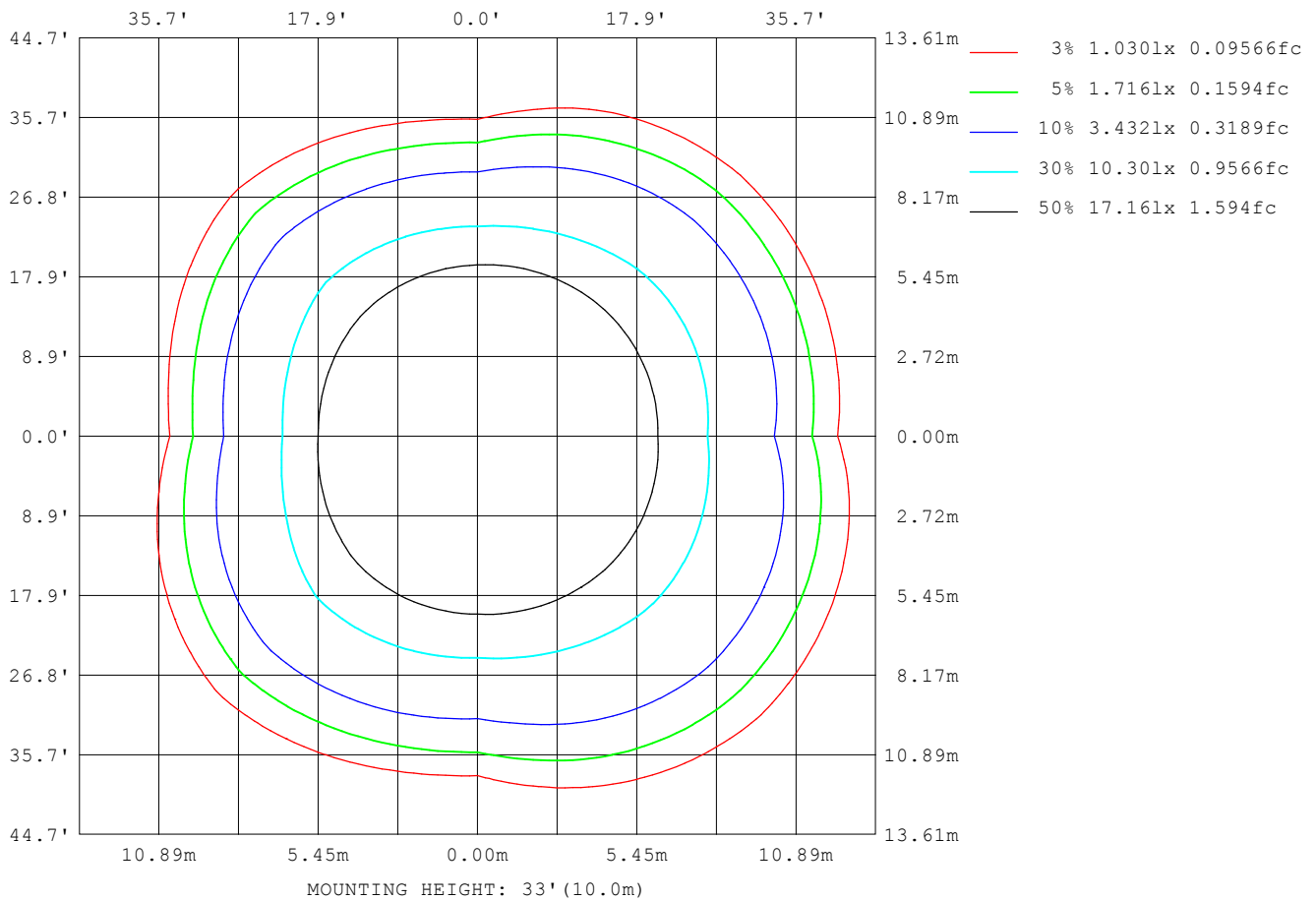
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

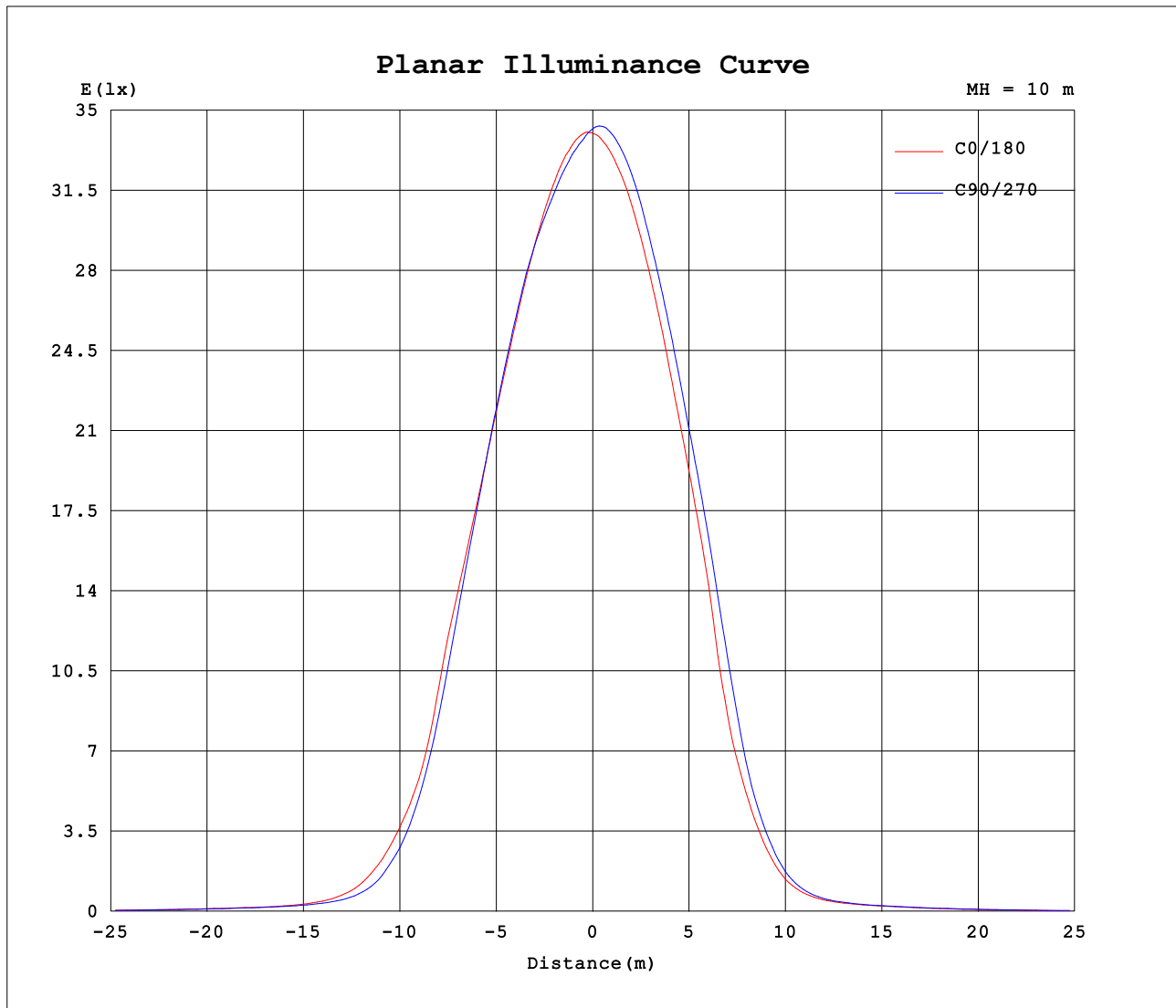
AvgL	cd/m2
L_0~180 (65) av	5011
L_0~180 (75) av	3258
L_0~180 (85) av	3511
L_90~270 (65) av	4928
L_90~270 (75) av	2996
L_90~270 (85) av	1968
L_45 (65) av	4989
L_45 (75) av	3209
L_45 (85) av	2796

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm																	
NAME: 4FT									TYPE:4000K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3400	3401	3402	3403	3404	3405	3406	3407	3408	3409	3410	3411	3413	3414	3415	3416	3417	3418	3419
5	3409	3405	3401	3398	3394	3391	3388	3386	3383	3381	3379	3377	3375	3374	3372	3371	3370	3369	3368
10	3388	3383	3377	3373	3368	3364	3360	3357	3353	3350	3348	3346	3345	3343	3342	3341	3339	3338	3336
15	3339	3332	3325	3320	3315	3310	3307	3304	3302	3300	3302	3305	3308	3310	3313	3316	3317	3318	3319
20	3255	3254	3252	3251	3250	3250	3250	3250	3251	3251	3256	3260	3265	3269	3272	3275	3276	3276	3274
25	3113	3120	3127	3133	3138	3142	3146	3149	3151	3153	3155	3156	3156	3155	3154	3151	3147	3142	3135
30	2882	2899	2913	2926	2936	2944	2950	2954	2956	2956	2951	2944	2935	2925	2914	2902	2889	2875	2862
35	2536	2571	2600	2625	2644	2658	2667	2671	2669	2663	2637	2608	2575	2541	2504	2468	2433	2399	2368
40	1760	1868	1963	2043	2109	2161	2198	2222	2231	2227	2169	2100	2023	1941	1856	1771	1690	1615	1549
45	1043	1177	1294	1393	1475	1539	1586	1616	1628	1622	1553	1470	1376	1275	1171	1067	966	873	789
50	483	572	649	715	770	812	844	864	872	869	824	770	709	644	575	507	441	380	325
55	217	259	296	328	354	375	391	402	407	408	389	367	341	313	284	255	226	200	176
60	151	164	176	186	195	202	207	211	213	213	208	201	193	185	176	166	157	149	141
65	127	128	128	128	129	129	128	128	128	127	126	124	123	121	120	118	116	115	113
70	92.8	92.8	92.7	92.5	92.1	91.7	91.2	90.6	89.9	89.0	87.9	86.7	85.5	84.2	82.8	81.4	80.0	78.5	77.1
75	56.6	57.0	57.3	57.5	57.5	57.4	57.2	56.8	56.3	55.7	54.6	53.4	52.1	50.8	49.4	48.0	46.6	45.3	43.9
80	31.3	31.6	31.9	32.0	32.1	32.1	32.0	31.8	31.5	31.1	30.4	29.7	28.9	28.1	27.2	26.3	25.5	24.6	23.8
85	26.0	24.8	23.6	22.5	21.4	20.4	19.4	18.5	17.6	16.7	15.9	15.1	14.4	13.7	13.1	12.5	12.0	11.5	11.1
90	75.3	69.8	64.4	59.2	54.1	49.3	44.6	40.1	35.7	31.6	27.2	23.1	19.2	15.6	12.2	9.16	6.42	4.04	2.04
95	173	168	162	156	150	143	136	128	120	111	97.8	84.6	71.6	58.9	46.8	35.7	25.8	17.4	10.8
100	259	253	247	239	232	223	214	204	193	181	161	142	122	103	86.3	71.2	58.5	49.0	43.2
105	324	320	315	309	302	293	284	274	262	249	226	203	179	157	137	119	104	92.8	86.5
110	393	391	388	383	376	369	359	349	336	323	296	269	242	217	193	172	154	141	133
115	472	470	467	462	455	446	436	425	411	396	367	336	306	278	251	227	208	193	184
120	559	554	548	540	531	520	508	493	478	460	428	396	364	333	304	279	258	243	233
125	638	629	619	608	595	581	566	549	531	512	479	445	413	381	352	327	306	291	282
130	721	704	688	670	652	633	614	594	573	551	518	484	452	422	394	370	351	337	329
135	775	754	733	712	690	669	647	625	603	581	549	517	487	459	433	412	394	382	376
140	799	777	754	732	710	688	666	644	623	602	573	544	517	492	469	451	436	425	420
145	799	777	756	735	714	694	674	654	635	616	591	566	543	522	503	487	474	466	462
150	777	758	740	723	705	688	672	656	640	624	604	584	566	549	534	521	511	505	502
155	745	731	717	704	691	678	666	654	642	630	615	600	586	574	562	553	546	541	538
160	711	701	692	683	674	666	657	649	641	633	622	612	603	594	586	580	575	572	570
165	681	675	669	664	659	653	648	643	639	634	628	622	617	612	607	604	601	600	599
170	657	654	651	649	646	644	642	639	637	635	632	629	627	624	623	621	620	619	619
175	643	642	641	640	639	639	638	637	637	636	635	635	634	633	633	633	632	632	632
180	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3420	3420	3421	3421	3421	3421	3421	3420	3420	3418	3415	3413	3410	3408	3405	3403	3401	3400	3400
5	3368	3367	3366	3366	3365	3365	3365	3364	3364	3363	3362	3361	3361	3360	3360	3361	3362	3364	3368
10	3334	3331	3328	3325	3322	3319	3317	3314	3312	3309	3306	3304	3302	3301	3300	3300	3302	3304	3310
15	3312	3305	3296	3287	3278	3268	3258	3249	3239	3231	3224	3217	3211	3206	3202	3200	3199	3199	3207
20	3264	3253	3240	3226	3211	3196	3180	3163	3147	3130	3114	3099	3084	3071	3060	3051	3044	3039	3046
25	3127	3117	3105	3093	3079	3064	3047	3030	3011	2982	2953	2924	2895	2868	2843	2821	2802	2787	2793
30	2857	2851	2844	2837	2828	2817	2803	2787	2768	2724	2678	2631	2584	2539	2495	2456	2421	2393	2400
35	2376	2385	2395	2405	2412	2414	2412	2402	2383	2292	2194	2091	1988	1886	1790	1701	1624	1561	1595
40	1575	1610	1651	1695	1738	1779	1813	1838	1851	1756	1650	1537	1419	1301	1186	1079	983	902	935
45	805	831	866	905	948	989	1028	1060	1083	1018	945	865	781	696	613	534	462	400	417
50	331	345	365	389	415	441	466	489	507	479	447	411	373	334	295	259	225	196	206
55	179	186	195	205	217	229	241	252	261	251	240	227	213	199	185	171	159	147	149
60	140	140	141	143	144	146	148	150	151	149	145	142	138	134	131	127	123	120	119
65	112	110	109	108	107	106	104	103	102	99.6	97.6	95.5	93.5	91.5	89.7	87.9	86.3	84.9	84.3
70	76.1	75.0	74.0	72.9	71.8	70.7	69.5	68.3	66.9	64.8	62.7	60.5	58.4	56.3	54.4	52.5	50.9	49.5	49.2
75	43.2	42.6	42.0	41.5	40.9	40.4	39.8	39.2	38.5	37.3	36.0	34.7	33.4	32.1	30.8	29.7	28.6	27.7	27.4
80	23.4	23.1	22.7	22.4	22.1	21.8	21.5	21.2	20.8	20.0	19.2	18.4	17.5	16.7	15.9	15.2	14.5	13.9	13.7
85	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.3	10.2	9.59	8.95	8.29	7.61	6.94	6.29	5.67	5.11	4.62	4.55
90	2.02	2.09	2.19	2.32	2.47	2.95	3.73	4.53	5.33	4.73	4.11	3.51	2.99	2.58	2.33	2.30	2.52	3.04	5.99
95	14.2	19.4	26.0	33.6	42.0	50.8	59.6	68.3	76.4	75.6	74.3	72.5	70.8	69.2	68.0	67.7	68.3	70.2	84.7
100	58.6	77.6	99.2	123	148	173	198	222	245	251	254	256	257	256	255	253	251	249	258
105	106	131	158	189	222	255	289	322	354	371	385	398	408	416	423	427	430	431	434
110	156	184	216	252	290	329	368	406	443	463	481	496	508	518	526	532	535	536	538
115	209	240	275	314	356	399	442	485	525	549	569	587	602	614	624	631	635	637	636
120	259	291	327	368	411	457	502	548	591	619	643	665	683	699	712	721	728	731	729
125	307	339	375	416	460	506	553	599	644	674	702	727	749	768	784	796	804	809	805
130	354	384	420	459	502	547	592	638	682	715	745	773	798	819	838	852	862	868	862
135	398	426	459	496	535	577	620	663	706	739	771	800	826	850	869	885	897	904	896
140	440	464	493	526	561	599	637	676	715	747	778	808	834	858	879	895	908	916	906
145	479	499	524	552	582	613	646	680	713	743	772	799	823	846	865	881	893	901	891
150	515	532	551	574	598	624	650	677	705	729	753	776	797	816	832	846	856	863	854
155	548	561	576	593	611	631	651	671	692	711	729	747	763	778	790	801	808	814	807
160	577	586	597	608	621	635	649	663	677	690	703	715	726	736	745	752	757	761	756
165	603	609	615	622	630	638	646	655	663	671	679	686	693	698	704	708	711	713	710
170	621	624	628	631	635	639	644	648	652	656	659	662	665	668	670	672	673	674	673
175	633	634	635	637	638	639	641	642	643	645	646	647	647	648	649	649	650	650	649
180	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm																		
NAME: 4FT									TYPE:4000K 3.7					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					Shielding Angle:				

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3400	3401	3402	3403	3404	3406	3407	3409	3410	3411	3413	3414	3415	3416	3417	3418	3419	3420	3420
5	3372	3378	3383	3389	3395	3401	3407	3413	3418	3422	3427	3431	3435	3439	3442	3445	3448	3450	3452
10	3318	3326	3334	3344	3353	3363	3372	3382	3389	3396	3402	3409	3414	3420	3424	3429	3432	3435	3438
15	3216	3226	3237	3249	3262	3274	3287	3300	3309	3318	3327	3334	3342	3349	3356	3362	3367	3372	3377
20	3056	3068	3081	3096	3112	3128	3145	3161	3172	3182	3192	3202	3210	3219	3227	3234	3241	3249	3256
25	2803	2816	2832	2851	2871	2893	2915	2937	2950	2962	2974	2985	2996	3007	3017	3027	3036	3048	3059
30	2414	2433	2456	2483	2512	2543	2574	2604	2617	2629	2639	2649	2659	2668	2678	2688	2698	2717	2737
35	1643	1703	1771	1845	1922	1999	2073	2141	2138	2129	2114	2097	2077	2058	2041	2027	2019	2061	2108
40	984	1045	1114	1189	1266	1341	1412	1474	1442	1401	1355	1305	1256	1210	1170	1139	1119	1193	1279
45	445	480	522	567	614	660	704	742	715	682	646	610	575	544	518	500	492	561	639
50	219	237	257	279	302	323	344	361	346	328	308	288	269	251	237	226	220	253	290
55	153	157	163	169	176	183	189	194	190	184	179	173	167	163	159	156	155	167	180
60	119	118	118	119	119	120	121	122	122	122	122	123	124	125	126	127	128	132	135
65	84.0	83.8	83.8	84.0	84.3	84.8	85.4	86.1	86.9	87.7	88.6	89.6	90.7	91.8	93.0	94.2	95.5	96.6	97.7
70	49.1	49.2	49.6	50.0	50.7	51.4	52.2	53.1	53.6	54.2	54.8	55.4	56.2	56.9	57.8	58.7	59.7	60.8	62.0
75	27.3	27.3	27.4	27.6	27.8	28.2	28.6	29.1	29.4	29.8	30.2	30.6	31.1	31.7	32.3	32.9	33.6	34.4	35.2
80	13.6	13.6	13.6	13.8	13.9	14.1	14.4	14.7	14.9	15.1	15.4	15.6	15.9	16.3	16.6	17.0	17.5	18.0	18.6
85	4.56	4.63	4.75	4.91	5.10	5.31	5.54	5.76	5.64	5.53	5.44	5.38	5.36	5.41	5.53	5.75	6.07	6.88	7.79
90	9.18	12.5	15.8	19.1	22.1	24.9	27.2	29.0	25.8	22.2	18.4	14.6	11.1	7.92	5.42	3.80	3.25	10.3	18.5
95	100	116	132	147	161	173	183	190	175	158	139	118	97.7	77.5	58.6	41.7	27.6	35.1	45.7
100	268	277	286	293	298	302	302	300	276	249	221	192	163	135	109	86.3	67.3	74.6	86.1
105	435	433	430	425	418	408	396	382	350	317	283	250	217	185	157	132	112	121	134
110	537	534	529	521	511	498	483	464	428	391	352	313	276	241	209	181	159	169	183
115	633	627	619	608	594	577	558	536	496	455	413	371	331	294	260	230	207	217	234
120	723	714	703	688	670	650	626	600	558	514	469	426	384	344	309	279	255	268	286
125	797	786	771	753	732	708	681	651	608	563	518	473	431	392	357	328	304	317	337
130	852	837	819	797	773	745	716	684	641	597	554	511	471	435	402	375	353	366	385
135	883	866	845	821	794	765	733	700	660	620	580	542	506	473	444	420	402	413	430
140	892	874	852	827	800	770	739	707	671	636	601	567	536	508	483	463	447	457	471
145	877	860	839	816	790	762	734	704	674	644	615	588	562	539	519	503	490	498	509
150	842	827	809	789	767	744	720	696	672	648	626	604	585	567	552	539	530	535	544
155	797	785	771	756	739	721	703	684	667	650	633	618	604	591	580	572	565	569	574
160	749	741	731	721	709	697	684	671	660	649	638	628	619	610	603	598	593	595	599
165	706	701	695	688	681	674	667	659	652	646	640	635	629	625	621	618	615	616	618
170	671	668	666	663	659	656	653	649	646	644	641	639	637	635	633	632	630	631	631
175	649	648	647	646	645	645	644	643	642	641	641	640	640	640	639	639	639	639	638
180	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.5020A P:60.50W PF:0.9900 Freq:60.00Hz Lamp Flux:7954.76x1 lm																	
NAME: 4FT									TYPE:4000K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3421	3421	3421	3421	3421	3420	3420	3418	3417	3415	3413	3411	3409	3406	3403				
5	3453	3454	3454	3454	3454	3453	3451	3449	3446	3442	3438	3433	3428	3422	3416				
10	3440	3441	3442	3442	3442	3440	3438	3436	3432	3428	3423	3417	3411	3404	3396				
15	3381	3385	3387	3389	3390	3391	3390	3388	3385	3381	3377	3371	3364	3357	3348				
20	3263	3269	3274	3279	3283	3286	3288	3288	3287	3286	3283	3279	3275	3269	3263				
25	3069	3079	3089	3098	3106	3113	3119	3122	3125	3127	3127	3126	3125	3122	3118				
30	2757	2776	2796	2815	2833	2850	2865	2874	2882	2887	2891	2893	2893	2891	2888				
35	2160	2215	2272	2329	2385	2439	2489	2515	2536	2551	2562	2567	2567	2562	2551				
40	1374	1473	1576	1678	1776	1868	1950	1980	1996	2000	1992	1971	1937	1891	1832				
45	725	814	905	995	1082	1162	1234	1259	1272	1274	1264	1243	1210	1166	1110				
50	331	375	419	463	505	544	579	591	597	598	593	582	566	544	516				
55	194	209	224	238	252	264	275	277	278	276	271	265	256	246	233				
60	138	142	145	149	152	155	157	158	159	159	158	158	157	155	153				
65	98.8	100	101	103	104	106	107	109	111	113	115	117	119	122	124				
70	63.2	64.6	66.0	67.5	69.1	70.8	72.6	74.5	76.5	78.5	80.7	82.9	85.3	87.7	90.2				
75	36.1	37.1	38.1	39.2	40.3	41.5	42.8	44.1	45.4	46.9	48.3	49.9	51.5	53.1	54.8				
80	19.2	19.8	20.5	21.2	21.9	22.7	23.5	24.2	25.0	25.9	26.7	27.6	28.5	29.4	30.4				
85	8.80	9.89	11.0	12.2	13.5	14.8	16.0	17.2	18.3	19.4	20.5	21.6	22.7	23.8	24.9				
90	27.4	36.8	46.4	56.1	65.4	74.2	82.3	85.7	88.2	89.5	89.8	89.0	87.2	84.3	80.3				
95	58.7	73.7	90.0	107	125	142	158	165	171	176	179	180	181	179	177				
100	101	118	138	159	180	202	222	232	241	248	253	257	260	261	260				
105	151	171	193	217	242	266	290	301	310	317	323	327	329	329	327				
110	203	226	251	278	306	333	359	371	381	389	395	399	400	400	397				
115	255	280	308	338	368	399	428	441	453	462	469	474	477	477	476				
120	310	337	368	401	434	468	500	516	529	540	549	556	560	562	562				
125	361	390	422	457	492	527	561	578	594	607	617	626	632	636	638				
130	410	438	470	504	539	575	610	629	647	663	677	689	700	709	715				
135	452	478	507	538	571	604	637	657	676	693	710	725	740	753	764				
140	490	512	537	564	593	622	652	671	690	707	724	741	756	771	786				
145	524	542	562	584	608	633	657	674	691	707	723	739	754	770	784				
150	555	569	584	601	620	639	658	672	685	699	712	725	738	751	764				
155	582	592	603	615	628	641	655	665	675	685	695	705	715	725	735				
160	604	610	617	624	633	641	650	657	663	670	677	683	690	697	704				
165	620	624	627	631	636	640	645	649	652	656	660	664	668	672	676				
170	632	633	634	635	637	639	641	642	644	645	647	649	651	653	655				
175	638	638	638	638	638	639	639	639	639	640	640	641	641	642	642				
180	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: